

Title (en)  
PROCESS FOR THE PREPARATION OF A MODIFIED POLYMER FOR POWDER PAINTS

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINES MODIFIZIERTEN POLYMERS FÜR PULVERLACKE

Title (fr)  
PROCEDE DE PREPARATION D'UN POLYMERE MODIFIE POUR PEINTURES EN POUDRE

Publication  
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Application  
**EP 95905246 A 19950118**

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Abstract (en)  
[origin: WO9520017A1] The invention relates to a process for the preparation of a modified polymer by reaction between a reactive polymer and at least a compound containing two or more functional groups. The polymer, which is solid at room temperature, is mixed, at a temperature at which the viscosity of the polymer is lower than 10000 dPas (measured according to Emila), with a compound containing two or more functional groups in a mixing means for achieving a homogeneous product and the mean residence time and the residence time distribution being chosen so that more than 50 % of the reactive groups of the polymer has reacted. As means to make the composition homogeneous use is made of a static mixer. The functional groups of the compound containing two or more functional groups have different reactivities. The invention also relates to a binder composition, which comprises the modified polymer thus obtained and a crosslinker.

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